

Water-Data Report 2008

353145080524703 Local number IR-153, NCDENR Langtree Research Station MW-4D near Davidson, NC (Bedrock)

Piedmont and Blue Ridge crystalline-rock aquifers
Intermediate Metagneous Rock

Iredell County, NC

LOCATION.--Lat 35°31'45", long 80°52'47" referenced to North American Datum of 1983, Iredell County, NC, Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .3 mi north of Langtree Road at Davidson College Lake Campus. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 400 ft, diameter 6.25 in., steel cased to 61 ft, initially open hole from 61 ft to 400 ft. Well modified in December 2001, 4 in. PVC liner installed to 69 ft, open hole from 69 ft to 400 ft.

DATUM.--Land-surface datum is 801.84 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of 4 in. PVC casing, 1.25 ft above land-surface datum, December 15, 2001, to present.

PERIOD OF RECORD.--May 2001 to current year. Continuous record February 2002.

GAGE.--Measured periodically with steel and electric tape. (by NCDENR, Division of Water Quality, and USGS)

REMARKS.--Well is part of Piedmont/Mountains ground-water study.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.20 ft below land-surface datum, August 7, 2003; lowest water level measured, 48.01 ft below land-surface datum, November 14, 2001.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Nov 1, 2007	46.72	May 30, 2008	43.42
28	46.77	Jun 30	44.67
Dec 20	46.72	Jul 18	44.11
Jan 29, 2008	46.5	Aug 15	44.55
Mar 28	43.19	Sep 29	44.22
Apr 21	44.53		

Highest: 43.19 Mar 28, 2008

Lowest: 46.77 Nov 28, 2007

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